



2010 U.S. Wheat Genomics Workshop

Tuesday, March 9, 2010

- 12:00 – 1:15 pm: Registration
- 1:15 – 1:30 pm: Opening remarks
- 1:30 – 2:30 pm: **Keynote lecture**
 - Pat Schnable, Iowa State University
 - *"The Maize Genome: New Tools, Complexities and Opportunities"*
- 2:30 – 3:00 pm: Break
- 3:00 – 5:00 pm: **Session I: Marker-based breeding strategies**
 - Luther Talbert, Montana State University
 - *"Implementing marker-assisted selection in wheat variety development"*
 - Brett Carver, Oklahoma State University
 - *"Breeding wheat somewhere between the poverty level and the 99% confidence level"*
 - Jerry Johnson, University of Georgia
 - *"Marker-assisted selection in a soft red winter wheat breeding program"*
 - Deven See, USDA-ARS Pullman, WA
 - *"MAS and the future of cereal breeding; how should the genotyping centers fit?"*
- 5:00 – 7:00 pm: Reception, poster session
- 7:00 pm: dinner

Wednesday, March 10, 2010

- 7:00 – 8:00 am: Breakfast, registration
- 8:00 – 10:00 am: **Session II: Application of physical maps/genome sequence to breeding**
 - Sebastien Praud, Biogemma
 - *“Mining the Maize Genome: The Future Impact of Genomic-Assisted Approaches on Maize Breeding”*
 - Michael Grosz, Monsanto
 - *“Applications of whole genome sequencing”*
 - Michael McMullen, USDA-ARS, Columbia, MO
 - *“Using genetic diversity to understand phenotypic variation in maize”*
 - Ronnie Green, Pfizer Animal Health
 - *“Animal Genetics, Making Investments in Sequencing of Genomes Come to Life in the Livestock Industry”*
- 10:00 – 10:30 am: Break
- 10:30 – 12:00 pm: **Session IV: Wheat Transformation**
 - Harold Trick, Kansas State University
 - *“Resistance to wheat streak mosaic virus mediated by RNAi”*
 - Tom Clemente, University of Nebraska-Lincoln
 - *“Wheat biotechnology: Better late than never”*
 - Darrell Hanavan, Colorado Wheat
 - *“The political science of transgenic wheat”*
- 12:00 – 1:00 pm: Lunch
- 1:00 – 2:30 pm: **Session III: Bioinformatics**
 - Dave Matthews, USDA-ARS, Cornell University
 - *“GrainGenes, the Triticeae genome database”*
 - Yong Gu, USDA-ARS, Albany, CA
 - *“Brachypodium distachyon: a new model to study Triticeae genomes”*
 - Jon Duvick, Iowa State University
 - *“Cyberinfrastructure for (comparative) plant genome research through PlantGDB”*
- 2:30 – 3:00 pm: Break
- 3:00 – 5:00 pm: **Session V: Early Career Scientists**
 - Will invite 3 graduate students, 2 postdocs, 1 early career PI: call for abstracts mid-November with a deadline of February 1, 2010.
- 5:00 – 6:00 pm: Closing remarks followed by open discussion on priorities